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## A list of the species of the family *Meloidae* recorded in Turkey with a nomenclatural note (*Coleoptera*)

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**Abstract:** A list of the species of the family *Meloidae* recorded in Turkey with a nomenclatural note (*Coleoptera*). *Cent. Ent. Stud., Misc. Pap.* 152: 1-7.

In this paper, 178 species of *Meloidae* known from Turkey are listed with synonymous names and distributions. One species is reported as new to fauna of Turkey. A replacement name, *Mylabris terraturcica* nom.n. for a pre-occupied specific name, is proposed.

**Key words:** Fauna, list, *Meloidae*, *Coleoptera*, Turkey, nomenclature.

Within the frame of the project “Entomofauna of Turkey” by the Cesa, an attempt is made here on the determining the actual situation of the *Meloidae* fauna of Turkey. In the following list, 178 species of the family are given in Turkey, based upon the info-system of the Cesa. In general, the *Meloidae* fauna is poorly known in Turkey. Many species are mentioned in the literature as Turkey, Asia minor only, or in one or two provinces. Some more widely distributed species are also known in limited provinces, e.g., *Hycleus zebraeus* (Marseul,1870) (21 provinces, 25.92% of total provinces); *Mylabris (Eumylabris) fabricii* Sumakov,1924 (17 provinces, 20.98% of total provinces); *Mylabris (s.str.) quadripunctata* (Linnaeus,1767) (34 provinces, 41.97% of total provinces); *Mylabris (s.str.) variabilis* (Pallas,1781) (18 provinces, 22.22% of total provinces). A pre-occupied specific name, *Mylabris marginata* Fischer von Waldheim,1844 is replaced by a new name, *Mylabris terraturcica* nom.nov. [see footnote, nr.1]. This species is also recorded in Turkey (Iğdır Prov.) for the first time.

### List of the species

In the following alphabetically arranged list, the valid names of the meloid species recorded from Turkey are listed. Synonymous names of the species are arranged in chronological order. Nomenclaturally unavailable names are marked by #. Original references are added to some species. Distributions of the species in Turkey are mentioned as provincial codes of the state.

1. ***Actenodia confluens* (Reiche,1866)** Synonym(s): *confluens* Reiche,1866; *picta* Baudi di Selve,1878; *caudanigra* Abeille de Perrin,1880; *ottomana* Escherich,1899; *mediopartita* Mader,1929; *mediodisjuncta* Pic,1930 Province (in codes): **06 07 11 16 26 34 35 42**
2. ***Actenodia peyroni* (Reiche,1866)** Synonym(s): *peyroni* Reiche,1866; #*peyronis* Reiche,1866 Province (in codes): **33**
3. ***Alosimus abeillei* (Escherich,1896)** Synonym(s): *abeillei* Escherich,1896 Province (in codes): **05 18**
4. ***Alosimus armeniacus* (Faldermann,1837)** Synonym(s): *armeniacus* Faldermann,1837 Province (in codes): **04 06 14 21 25 29 36 51 55 56 57 60 66 69 75**
5. ***Alosimus castaneus* Escherich,1896** Synonym(s): *castaneus* Escherich,1896 Province (in codes): **21 25 47 56**

6. ***Alosimus chalybaeus* (Tauscher, 1812)** Synonym(s): *chalybaeus Tauscher, 1812* Province (in codes): **01 03 07 22 25 35 42 45 51 63 64**
7. ***Alosimus decolor* (Abeille de Perrin, 1880)** Synonym(s): *decolor Abeille de Perrin, 1880* Province (in codes): **06 12 21 22 34 35 45 47 62 66**
8. ***Alosimus gracilis* (Abeille de Perrin, 1880)** Synonym(s): *gracilis Abeille de Perrin, 1880* Province (in codes): **07 25 33**
9. ***Alosimus luteus* (Waltl, 1838)** Synonym(s): *luteus Waltl, 1838* Province (in codes): **02 21 56 62 63**
10. ***Alosimus marginicollis* Haag-Rutenberg, 1880** Synonym(s): *marginicollis Haag-Rutenberg, 1880* Province (in codes): **43 50 60**
11. ***Alosimus pallidicollis* (Gyllenhal, 1806)** Synonym(s): *pallidicollis Gyllenhal, 1806* Province (in codes): **12 23 33 62**
12. ***Alosimus reittedianus* (Semenov, 1990)** Synonym(s): *reittedianus Semenov, 1990* Province (in codes): **25**
13. ***Alosimus smyrnensis* (Maran, 1942)** Synonym(s): *smyrnensis Maran, 1942* Province (in codes): **20 35 43 64**
14. ***Alosimus syriacus* (Linnaeus, 1758)** Synonym(s): *syriacus Linnaeus, 1758; austriacus Schrank, 1781* Original reference: *Meloe syriacus Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 419.* Type: "Syria". Province (in codes): **42 63**
15. ***Apalus apicalis* Latreille, 1804** Synonym(s): *apicalis Latreille, 1804*
16. ***Apalus bimaculatus* (Linnaeus, 1761)** Synonym(s): *bimaculatus Linnaeus, 1761*
17. ***Apalus bipunctatus* Germar, 1817** Synonym(s): *bipunctatus Germar, 1817; #bipunctatas Özbek & Szaloki, 1998* Province (in codes): **08**
18. ***Apalus montanus* Escherich, 1897** Synonym(s): *montanus Escherich, 1897* Province (in codes): **51**
19. ***Apalus mulsanti* (Reiche, 1878)** Synonym(s): *mulsanti Reiche, 1878*
20. ***Apalus necydalaeus* (Pallas, 1782)** Synonym(s): *necydalaeus Pallas, 1782* Province (in codes): **21 25**
21. ***Apalus spectabilis* Schaum, 1859** Synonym(s): *spectabilis Schaum, 1859* Province (in codes): **17**
22. ***Calydus escherichi* Reitter, 1898** Synonym(s): *escherichi Reitter, 1898*
23. ***Cerocoma adamovichiana* (Piller & Mitterpacher, 1783)** Synonym(s): *adamovichiana Piller & Mitterpacher, 1783* Province (in codes): **10 22 25 42**
24. ***Cerocoma albopilosa* Dvorak, 1993** Synonym(s): *albopilosa Dvorak, 1993* Province (in codes): **42**
25. ***Cerocoma bodemeyeri* Reitter, 1913** Synonym(s): *bodemeyeri Reitter, 1913* Province (in codes): **26**
26. ***Cerocoma dahli* Kraatz, 1863** Synonym(s): *dahli Kraatz, 1863* Province (in codes): **01 02 19 21 23 24 25 29 33 36 38 51 60 63 69 80**
27. ***Cerocoma ephesica* Reitter, 1885** Synonym(s): *ephesica Reitter, 1885* Province (in codes): **03 07 14 24 25 42**
28. ***Cerocoma festiva* Faldermann, 1837** Synonym(s): *festiva Faldermann, 1837* Province (in codes): **25 49 62**
29. ***Cerocoma gloriosa* Mulsant, 1857** Synonym(s): *gloriosa Mulsant, 1857* Province (in codes): **33 48 80**
30. ***Cerocoma kunzei* Frivaldszky, 1835** Synonym(s): *kunzei Frivaldszky, 1835* Province (in codes): **07 23 24 25**
31. ***Cerocoma macedonica* Maran, 1944** Synonym(s): *macedonica Maran, 1944* Province (in codes): **17 35**
32. ***Cerocoma malatyensis* Kaszab, 1941** Synonym(s): *malatyensis Kaszab, 1941* Province (in codes): **44 56 62**
33. ***Cerocoma marginiventris* Reitter, 1889** Synonym(s): *marginiventris Reitter, 1889* Province (in codes): **76**
34. ***Cerocoma muehlfeldi* Gyllenhal, 1817** Synonym(s): *muehlfeldi Gyllenhal, 1817* Province (in codes): **05 06 12 23 25 29 39 45 46 60 62**
35. ***Cerocoma schaefferi* (Linnaeus, 1758)** Synonym(s): *schaefferi Linnaeus, 1758* Province (in codes): **06 25**
36. ***Cerocoma schreberi* Fabricius, 1781** Synonym(s): *schreberi Fabricius, 1781* Province (in codes): **07 16 39 46 54 59**
37. ***Cerocoma scovitzi* Faldermann, 1837** Synonym(s): *scovitzi Faldermann, 1837* Province (in codes): **12 23 24 27 42 44 62**

- 38. *Cerocoma syriaca* Abeille de Perrin,1880** Synonym(s): *syriaca* Abeille de Perrin,1880  
Province (in codes): **21 24 41 56 77**
- 39. *Cerocoma turcica* Pardo Alcaide,1977** Synonym(s): *turcica* Pardo Alcaide,1977 Province (in codes): **76**
- 40. *Ctenopus* sp.**
- 41. *Epicauta erythrocephala* (Pallas,1771)** Synonym(s): *erythrocephala* Pallas,1771 Province (in codes): **22 24**
- 42. *Euzonitis bifasciata* Swarts,1808** Synonym(s): *bifasciata* Swarts,1808
- 43. *Euzonitis fluvipennis* (Fabricius,1792)** Synonym(s): *fluvipennis* Fabricius,1792 Province (in codes): **75**
- 44. *Euzonitis quadrimaculata* (Pallas,1782)** Synonym(s): *quadrimaculata* Pallas,1782; *quadripunctata* Fabricius,1801; *bifasciata* Schwarz,1808 Province (in codes): **05 06 25 32 33 36 53**
- 45. *Euzonitis rubida* (Ménétriés,1832)** Synonym(s): *rubida* Ménétriés,1832 Province (in codes): **07 25 33 51**
- 46. *Euzonitis sexmaculata* (Olivier,1790)** Synonym(s): *sexmaculata* Olivier,1790 Original reference: *Apalus sexmaculatus* Olivier,1790, Encycl. méthod. 4: 166. Province (in codes): **05 06 55 66**
- 47. *Euzonitis terminata* (Abeille de Perrin,1880)** Synonym(s): *terminata* Abeille de Perrin,1880; *auricoma* Escherich,1891; *bombycinia* Escherich,1896; *armeniaca* Pic,1901 Province (in codes): **05 06**
- 48. *Hycleus birecurvus* (Marseul,1870)** Synonym(s): *birecurvus* Marseul,1870; *caudaluteus* Pic,1930
- 49. *Hycleus fuscus* (Olivier,1811)** Synonym(s): *fuscus* Olivier,1811; *galatiensis* Escherich,1899
- 50. *Hycleus humerosus* (Escherich,1899)** Synonym(s): *humerosus* Escherich,1899
- 51. *Hycleus novemdecimpunctatus* (Olivier,1811)** Synonym(s): *novemdecimpunctatus* Olivier,1811 Province (in codes): **22**
- 52. *Hycleus polymorphus* (Pallas,1771)** Synonym(s): *polymorphus* Pallas,1771 Province (in codes): **07 22**
- 53. *Hycleus posticatus* (Fairmaire,1892)** Synonym(s): *posticatus* Fairmaire,1892
- 54. *Hycleus quatuordecimpunctatus* (Pallas,1781)** Synonym(s): *quatuordecimpunctatus* Pallas,1781; *meliloti* Olivier,1811; *combusta* Tauscher,1812; *confusa* Fischer von Waldheim,1827
- 55. *Hycleus scabiosae* (Olivier,1811)** Synonym(s): *scabiosae* Olivier,1811; *euphratica* Marseul,1870; *marseuli* Ballion,1878; *alienigera* Heyden,1883; *maracadensis* Dokhtouroff,1889; *auliensis* Pic,1901; *sicheri* Fleischer,1921; *eichleri* Mader,1927; *transcaspiensis* Pic,1928; *delta* Sumakov,1930; *epsilon* Sumakov,1930 Province (in codes): **04 06 11 13 17 24 25 26 36 42 44 45 47 49 65 76**
- 56. *Hycleus sexmaculatus* (Olivier,1811)** Synonym(s): *sexmaculatus* Olivier,1811; *bimaculatus* Klug,1845 nec Oliv.,1811; *ledereri* Marseul,1870 Province (in codes): **01 07 23 33 44 80**
- 57. *Hycleus tenuepictus* (Fairmaire,1892)** Synonym(s): *tenuepictus* Fairmaire,1892; *marsabensis* Pic,1898
- 58. *Hycleus zebraeus* (Marseul,1870)** Synonym(s): *zebraea* Marseul,1870; *tenenbaumi* Pic,1928; *kervillei* Pic,1932 Province (in codes): **02 03 06 07 08 12 17 19 20 24 26 27 31 35 42 47 48 51 62 66 69**
- 59. *Lampromeloe cavensis* (Petagna,1819)** Synonym(s): *cavensis* Petagna,1819; *purpurascens* Germar,1834; *sardous* Gené,1836; *aeneus* Laporte,1840; *latreillei* Marseul,1867 Province (in codes): **07**
- 60. *Lasiomeloe olivieri* (Chevrolat,1833)** Synonym(s): *olivieri* Chevrolat,1833 Province (in codes): **05 06 24 26 71**
- 61. *Lydus anatolicus* Muche,1962** Synonym(s): *anatolicus* Muche,1962 Province (in codes): **66**
- 62. *Lydus europaeus* Escherich,1897** Synonym(s): *europaeus* Escherich,1897 Province (in codes): **47**
- 63. *Lydus gibbifer* Escherich,1896** Synonym(s): *gibbifer* Escherich,1896 Province (in codes): **02 73**
- 64. *Lydus humeralis* Gyllenhal,1817** Synonym(s): *humeralis* Gyllenhal,1817
- 65. *Lydus pilicollis* Fairmaire,1892** Synonym(s): *pilicollis* Fairmaire,1892 Province (in codes): **01 07 33 46 48 49**
- 66. *Lydus tarsalis* Abeille de Perrin,1880** Synonym(s): *tarsalis* Abeille de Perrin,1880 Province (in codes): **12 47 56 73**
- 67. *Lydus tenuitarsis* Abeille de Perrin,1880** Synonym(s): *tenuitarsis* Abeille de Perrin,1880 Province (in codes): **12**
- 68. *Lydus trimaculatus* (Fabricius,1775)** Synonym(s): *trimaculatus* Fabricius,1775 Province (in codes): **01 06 09 10 16 17 22 59**
- 69. *Lydus turcicus* Kaszab,1952** Synonym(s): *turcicus* Kaszab,1952 Province (in codes): **01 06 10 13 14 23 24 25 26 29 32 41 42 44 45 51 77**
- 70. *Lydus unicolor* Reitter,1887** Synonym(s): *unicolor* Reitter,1887; *halbhuberi* Escherich,1896 Province (in codes): **01 08 24 25 49 69 80**

- 71.** *Lytta vesicatoria* (Linnaeus,1758) Synonym(s): *vesicatoria* Linnaeus,1758 Province (in codes): **25 60**
- 72.** *Meloe bodemeyeri* Ganglbauer,1900 Synonym(s): *bodemeyeri* Ganglbauer,1900
- 73.** *Meloe brevicollis* Panzer,1793 Synonym(s): *brevicollis* Panzer,1793 Province (in codes): **75**
- 74.** *Meloe deflexus* Reitter,1889 Synonym(s): *deflexus* Reitter,1889 Province (in codes): **02 31**
- 75.** *Meloe ganglbaueri* Apfelbeck,1907 Synonym(s): *ganglbaueri* Apfelbeck,1907 Province (in codes): **07**
- 76.** *Meloe glasunovi* Pliginski,1910 Synonym(s): *glasunovi* Pliginski,1910; *rufotarsalis* Pliginski,1911 Province (in codes): **75**
- 77.** *Meloe hungarus* Schrank,1776 Synonym(s): *hungarus* Schrank,1776 Province (in codes): **26 64**
- 78.** *Meloe mediterraneus* Müller,1925 Synonym(s): *mediterraneus* Müller,1925 Province (in codes): **04 07 13 21 24 25 29 65**
- 79.** *Meloe proscarabaeus* Linnaeus,1758 Synonym(s): *proscarabaeus* Linnaeus,1758 Province (in codes): **04 06 13 14 18 21 24 25 42 49 50 71**
- 80.** *Meloe rugosus* Marsham,1802 Synonym(s): *rugosus* Marsham,1802 Province (in codes): **06 11 14**
- 81.** *Meloe scabriuscus* Brandt & Erichson,1832 Synonym(s): *scabriuscus* Brandt & Erichson,1832; *pygmaeus* Baudi di Selve,1878; *nigra* Pliginski,1911; *pliginskyi* Kaszab,1958 Province (in codes): **25**
- 82.** *Meloe tuccicus* Rossi,1792 Synonym(s): *tuccicus* Rossi,1792; *ruficornis* Balbi,1897 Province (in codes): **25 26 35 38 42 71**
- 83.** *Meloe variegatus* Donovan,1793 Synonym(s): *variegatus* Donovan,1793; #*varigatus* Özbek & Szaloki,1998 Province (in codes): **13 25 26 35 46**
- 84.** *Meloe violaceus* Marsham,1802 Synonym(s): *violaceus* Marsham,1802 Province (in codes): **04 08 25 53**
- 85.** *Meloegonius cicatricosus* (Leach,1815) Synonym(s): *cicatricosus* Leach,1815; *variolosus* Fischer von Waldheim,1844 Province (in codes): **08 11 21 38**
- 86.** *Meloegonius rufiventris* (Germar,1817) Synonym(s): *rufiventris* Germar,1817; *coriarius* Brandt & Erichson,1832; *reticulatus* Brandt & Ratzeburg,1833; *cyanicornis* Escherich,1889 Province (in codes): **24**
- 87.** *Micromeloe decorus* (Brandt & Erichson,1832) Synonym(s): *decorus* Brandt & Erichson,1832; *pygmaeus* Redtenbacher,1849
- 88.** *Muzimes bitlisiensis* (Kaszab,1958) Synonym(s): *bitlisiensis* Kaszab,1958 Province (in codes): **13 21**
- 89.** *Muzimes caucasicus* (Maran,1940) Synonym(s): *caucasicus* Maran,1940; *unicoloriceps* Kaszab,1958
- 90.** *Muzimes collaris* (Fabricius,1787) Synonym(s): *collaris* Fabricius,1787 Province (in codes): **15 16 18 32 45 71**
- 91.** *Muzimes dersimensis* (Kaszab,1968) Synonym(s): *dersimensis* Kaszab,1968; #*dersinemesis* Özbek & Szaloki,1998 Original reference: *Micromerus dersimensis* Kaszab,1968, Annln naturh. Mus. Wien 72: 444, 447-448. Holotype ♂: [Türkei]: Klein-Asien: 20-25km südwestlich von Tunceli, 20.vi.1967 (NHMW). Province (in codes): **12 21 23 60 62**
- 92.** *Muzimes erivanicus* (Kaszab,1958) Synonym(s): *erivanicus* Kaszab,1958; *luteiceps* Kaszab,1958; *nigriceps* Kaszab,1958; *nigrilabris* Kaszab,1958; *seminigriceps* Kaszab,1958 Original reference: *Micromerus erivanicus* Kaszab,1958, Acta ent. Mus. nat. Pragae 32: 5-18. Province (in codes): **24 25 36 69**
- 93.** *Muzimes obenbergeri* (Kaszab,1958) Synonym(s): *obenbergeri* Kaszab,1958 Province (in codes): **38 42**
- 94.** *Muzimes ressli* (Dvorak,1993) Synonym(s): *ressli* Dvorak,1993
- 95.** *Muzimes semiobscurus* (Pic,1898) Synonym(s): *semiobscurus* Pic,1898 Province (in codes): **35 58 60**
- 96.** *Muzimes strebai* (Maran,1940) Synonym(s): *strebai* Maran,1940 Province (in codes): **01 31 33**
- 97.** *Muzimes tauricus* (Maran,1940) Synonym(s): *tauricus* Maran,1940 Province (in codes): **07**
- 98.** *Mylabris (Chalcabris) festiva* (Pallas,1773) Synonym(s): *festiva* Pallas,1773; *sericea* Pallas,1782 Province (in codes): **12 24**
- 99.** *Mylabris (Chalcabris) formosa* Welman,1910 Synonym(s): *decora* Frivaldszky,1835; *formosa* Welman,1910
- 100.** *Mylabris (Chrysabris) terraturcica* nom.nov.<sup>1</sup> Synonym(s): *marginata* Fischer von Waldheim,1844 nec *Fabricius,1792* Province (in codes): **76** New to the fauna of Turkey!

<sup>1</sup> *Mylabris marginata* Fischer von Waldheim was described in 1844 from Russia, "Dauria, Songoria" (*Spicilegium Ent. Rossiae. Bull. Moscou* 17: 133-134, Tab.iii fig.6). This species is also represented in South Caucasus, Goravan Sands 970m (Armenia), 01.06.2004, Kalashian leg. <http://www.meloidae.com/meloidae/displayimage.php?pos=-957>. In fact, the name *Mylabris marginata* was previously used by Fabricius in 1792 for another species in the same family. Under the current ICZN Rules, *Mylabris marginata* Fischer von Waldheim,1844 is junior primary homonym of

- 101.** *Mylabris (Eumylabris) calida* (Pallas,1782) Synonym(s): *calida* Pallas,1782; *maculata* Olivier,1795; *bimaculata* Olivier,1811; *decora* Olivier,1811; *maura* Chevrolat,1837; *niligena* Reiche,1865; *maroccana* Escherich,1899; *bimaculiceps* Pic,1920; *tlemceni* Pic,1930 Province (in codes): **01 08 11 14 17 22 26 32 34 35 41 42 45 76**
- 102.** *Mylabris (Eumylabris) cincta* Olivier,1811 Synonym(s): *cincta* Olivier,1811; *tiflensis* Billberg,1813; *matthesi* Faldermann,1837; *bicolor* Waltl,1838; *taeniata* Waltl,1838; *tricingulata* Redtenbacher,1850; *jugatoria* Reiche,1865; *soubironi* Pic,1921; #*cincat* Kaszab,1968 Province (in codes): **01 07 08 12 14 23 24 25 32 35 38 45 47 48 62 65**
- 103.** *Mylabris (Eumylabris) crocata* (Pallas,1781) Synonym(s): *crocata* Pallas,1781; *duodecimpunctata* Tauscher,1812 Province (in codes): **01 03 20 23 26 35 45 50 51**
- 104.** *Mylabris (Eumylabris) fabricii* Sumakov,1924 Synonym(s): *decimpunctata* Petagna,1787 nec *Fabr.*,1781; *forti* Mulsant,1857; *fabricii* Sumakov,1924 Province (in codes): **01 06 08 12 23 24 26 32 35 42 46 47 49 51 58 62 69**
- 105.** *Mylabris (Micrabris) geminata* Fabricius,1798 Synonym(s): *geminata* Fabricius,1798 Province (in codes): **06 08 25 36 51 53**
- 106.** *Mylabris (Micrabris) laevicollis* Marseul,1870 Synonym(s): *laevicollis* Marseul,1870 Province (in codes): **16 25 36 76**
- 107.** *Mylabris (Micrabris) pusilla* Olivier,1811 Synonym(s): *pusilla* Olivier,1811 Province (in codes): **25 36 75 76**
- 108.** *Mylabris (Micrabris) sinuata* Klug,1845 Synonym(s): *sinuata* Klug,1845 Province (in codes): **46 60**
- 109.** *Mylabris (s.str.) olivieri* Billberg,1813 Synonym(s): *olivieri* Billberg,1813; *caspia* Ménétriés,1832; *grisescens* Reiche,1865; *impar* Baudi,1878; *impexa* Escherich,1899; *kopetensis* Pic,1930 Province (in codes): **06 07 08 11 23 24 25 26 33 36 37 42 44 69**
- 110.** *Mylabris (s.str.) quadripunctata* (Linnaeus,1767) Synonym(s): *quadripunctata* Linnaeus,1767; *melanura* Pallas,1781; *decimpunctata* Fabricius,1781; *octopunctata* Olivier,1811; *adamsi* Fischer von Waldheim,1824; *armeniaca* Faldermann,1837; *restricta* Motschoulsky,1849; *maldinesi* Chevrolat,1865 Province (in codes): **01 06 07 08 11 17 19 22 24 26 31 32 33 34 35 38 42 43 44 45 46 47 48 51 52 54 57 59 62 63 65 66 70 73**
- 111.** *Mylabris (s.str.) variabilis* (Pallas,1781) Synonym(s): *cichorii* Linnaeus,1767; *variabilis* Pallas,1781; *lacera* Fischer von Waldheim,1827; *mutans* Guérin de Ménéville,1834; *hypocrita* Mulsant,1857; *similaris* Mulsant,1857; *disrupta* Baudi,1878; *erivanica* Pic,1901 Province (in codes): **01 06 07 08 09 10 16 17 18 22 25 34 36 41 42 59 62 80**
- 112.** *Mylabris (Zitunabris) syriaca* Klug,1845 Synonym(s): *gebleri* Faldermann,1837; *syriaca* Klug,1845; *intersecta* Reiche,1857; *smyrnensis* Escherich,1899 Province (in codes): **01 07 15 31 32 33 35 48 49 56 80**
- 113.** *Mylabris apicenigra* Sumakov,1924 Synonym(s): *apicenigra* Sumakov,1924 Province (in codes): **02 12 25 50 62**
- 114.** *Mylabris ciliciensis* (Escherich,1899) Synonym(s): *ciliciensis* Escherich,1899; *alpha* Sumakov,1913 Province (in codes): **21 33 51 76**
- 115.** *Mylabris cingulata* Faldermann,1837 Synonym(s): *cingulata* Faldermann,1837 Province (in codes): **06**
- 116.** *Mylabris concolor* Marseul,1870 Synonym(s): *concolor* Marseul,1870 Original reference: *Mylabris concolor* Marseul,1870, Abeille 1870: 112. Province (in codes): **23 42**
- 117.** *Mylabris decempunctata* Fabricius,1781 Synonym(s): *decempunctata* Fabricius,1781
- 118.** *Mylabris decoro* Frivaldszky,1835 Synonym(s): *decoro* Frivaldszky,1835
- 119.** *Mylabris emiliae* (Escherich,1899) Synonym(s): *emiliae* Escherich,1899 Province (in codes): **06 25**
- 120.** *Mylabris externepunctata* Faldermann,1832 Synonym(s): *externepunctata* Faldermann,1832 Province (in codes): **25**
- 121.** *Mylabris flavipennis* Motschulsky,1872 Synonym(s): *flavipennis* Motschulsky,1872
- 122.** *Mylabris furcimacula* Sumakov,1915 Synonym(s): *furcimacula* Sumakov,1915 Province (in codes): **08 25**
- 123.** *Mylabris fusca* (Olivier,1811) Synonym(s): *fusca* Olivier,1811 Province (in codes): **02 09 12 21 25 26 30 31 33 35 42 44 45 48 49 56 62**
- 124.** *Mylabris humerosa* (Escherich,1899) Synonym(s): *humerosa* Escherich,1899 Province (in codes): **05 07 12 23 25 30 35 47 49 62**
- 125.** *Mylabris inculta* (Escherich,1899) Synonym(s): *inculta* Escherich,1899

*Mylabris marginata* Fabricius,1792, Ent. Syst. 1 (2): 88; and it cannot be used as valid name for a taxon. There is no nomenclaturally available synonym of *Mylabris marginata* Fischer von Waldheim. Under this circumstances, we propose here a replacement name, *Mylabris terraturcica* nom.nov. for *Mylabris marginata* Fischer von Waldheim,1844 nec *Mylabris marginata* Fabricius,1792. The species is also represented in Aras valley in North East Turkey, İğdir Province, Tuzluca NW, 1050m.

- 126.** *Mylabris modesta* (Escherich,1899) Synonym(s): modesta Escherich,1899; elbursiensis Aksentjev,1985
- 127.** *Mylabris munda* (Escherich,1897) Synonym(s): munda Escherich,1897 Province (in codes): 06
- 128.** *Mylabris pentheri* Ganglbauer,1905 Synonym(s): pentheri Ganglbauer,1905
- 129.** *Mylabris polymorphus* (Pallas,1771) Synonym(s): polymorphus Pallas,1771; floralis Pallas,1773 Province (in codes): 62 73
- 130.** *Mylabris serena* (Escherich,1899) Synonym(s): serena Escherich,1899 Original reference: Zonabris serena Escherich,1899, Wien. Ent. Ztg. 18: 99, Taf. ii fig.2. Syntypes: 2 ex [Türkei: İğdır Prov., Tuzluca]: "Kasikoparan". Province (in codes): 24 25 76
- 131.** *Mylabris sericea* Pallas,1782 Synonym(s): sericea Pallas,1782
- 132.** *Mylabris steppensis* (Dokhtouroff,1889) Synonym(s): steppensis Dokhtouroff,1889
- 133.** *Mylabris suturalis* (Pic,1898) Synonym(s): suturalis Pic,1898; morgani Pic,1920 Province (in codes): 12
- 134.** *Mylabris tomentosa* (Escherich,1899) Synonym(s): tomentosa Escherich,1899; externeundulata Pic,1919; kulpensis Pic,1919 Original reference: Zonabris tomentosa Escherich,1899, Wien. Ent. Ztg. 18: 99. Syntypes: [Türkei: İğdır Prov., Tuzluca]: "Kaukasus: Kasikoparan". Province (in codes): 76
- 135.** *Nemognatha chrysomelina* (Fabricius,1775) Synonym(s): chrysomelina Fabricius,1775; #chrysomelira Özbek & Szaloki,1998 Province (in codes): 01 06 07 08 11 19 24 32 43
- 136.** *Oenas afer* (Linnaeus,1767) Synonym(s): afer Linnaeus,1767; atrata Fabricius,1775 Original reference: Meloe afer Linnaeus,1767, Syst. Nat. (Edn. 12) 1 (2): 680. Type(s): Barbaria.
- 137.** *Oenas armeniacus* Kaszab,1951 Synonym(s): armeniacus Kaszab,1951 Province (in codes): 25 49
- 138.** *Oenas crassicornis* (Illiger,1800) Synonym(s): crassicornis Illiger,1800 Province (in codes): 01 06 10 11 15 16 22 24 25 32 35 41 45 49 55 66 71
- 139.** *Oenas tarsensis* Abeille de Perrin,1880 Synonym(s): tarsensis Abeille de Perrin,1880 Province (in codes): 01 33 60
- 140.** *Oenas tenuicornis* Abeille de Perrin,1880 Synonym(s): tenuicornis Abeille de Perrin,1880; #tenuitarsis Kaszab,1968 Province (in codes): 01 21 25 56 44 73
- 141.** *Oenas wilhelmsi* Faldermann,1832 Synonym(s): wilhelmsi Faldermann,1832; armeniacus Kaszab,1951
- 142.** *Sitaris minutus* Pic,1932 Synonym(s): minutus Pic,1932
- 143.** *Sitaris rufiventris* Kraatz,1884 Synonym(s): rufiventris Kraatz,1884
- 144.** *Sitaris solieri* Pecchioli,1839 Synonym(s): solieri Pecchioli,1839; apicalis Escherich,1897
- 145.** *Stenodera anatolica* Frivaldszky,1884 Synonym(s): anatolica Frivaldszky,1884 Province (in codes): 01 07 33 24 60
- 146.** *Stenodera caucasica* (Pallas,1781) Synonym(s): caucasica Pallas,1781 Province (in codes): 08 18 21 25 26 30 43 57 80
- 147.** *Stenodera coeruleiceps* Fairmaire,1892 Synonym(s): coeruleiceps Fairmaire,1892 Province (in codes): 31 32 33
- 148.** *Stenodera oculifera* Abeille de Perrin,1880 Synonym(s): oculifera Abeille de Perrin,1880
- 149.** *Stenodera puncticollis* (Chevrolat,1829) Synonym(s): puncticollis Chevrolat,1829 Province (in codes): 01 02
- 150.** *Stenoria analis* Schaum,1859 Synonym(s): analis Schaum,1859; adusta Schaum,1859; colletis Mayet,1874 Province (in codes): 08
- 151.** *Stenoria apicalis* (Latreille,1804) Synonym(s): apicalis Latreille,1804
- 152.** *Syriolytta vulneratus* (Fairmaire,1892) Synonym(s): vulneratus Fairmaire,1892; suturifera Pic,1899; fairmairei Borchmann,1917
- 153.** *Taphromeloe erythrocnemus* (Pallas,1782) Synonym(s): erythrocnemus Pallas,1782; corallipes Gebler,1847 Province (in codes): 06 42 58
- 154.** *Teratolytta cariae* Bologna,2006 Synonym(s): cariae Bologna,2006 Original reference: Teratolytta cariae Bologna,2006, Eur. J. ent. 103: 145-146, figs. Holotype ♂: Turkey: Malatya Prov., Tecde (MNHNP). Province (in codes): 02 44
- 155.** *Teratolytta dives* (Brullé,1832) Synonym(s): dives Brullé,1832; phalerata Frivaldszky,1837; vittata Kiesenwetter,1861; excellens Escherich,1894 Province (in codes): 01 10 17 31 33 34 35 45
- 156.** *Teratolytta dvoraki* Bologna,2006 Synonym(s): dvoraki Bologna,2006 Original reference: Teratolytta dvoraki Bologna,2006, Eur. J. ent. 103: 154-155, figs. Holotype ♂: [Turkey]: Anatol. Or., Bugleu [Buglun] Pass, Solhau [Solhan] 1500-1600m, 30.iv.1989 W.Heinz leg. Province (in codes): 12
- 157.** *Teratolytta flavipes* (Mulsant & Rey,1858) Synonym(s): flavipes Mulsant & Rey,1858; semividua Abeille de Perrin,1895; saphirina Abeille de Perrin,1895 Province (in codes): 01 07 31 33

- 158.** *Teratolytta gentilis* (Frivaldszky,1877) Synonym(s): *gentilis* Frivaldszky,1877; *violaceipennis* Beauregard,1890; #*coeruleipennis* Escherich,1894; *coonenensis* G.Müller,1936 Province (in codes): **07 35 42**
- 159.** *Teratolytta kulzeri* Kaszab,1958 Synonym(s): *kulzeri* Kaszab,1958 Province (in codes): **65 73**
- 160.** *Teratolytta monticola* Bologna,2006 Synonym(s): *monticola* Bologna,2006 Province (in codes): **25**
- 161.** *Teratolytta senilis* (Abeille de Perrin,1895) Synonym(s): *senilis* Abeille de Perrin,1895; *bytinskii* Kaszab,1957 Province (in codes): **31**
- 162.** *Teratolytta taurica* Bologna,2006 Synonym(s): *taurica* Bologna,2006 Province (in codes): **33 70**
- 163.** *Teratolytta vanensis* Kaszab,1968 Synonym(s): *vanensis* Kaszab,1968 Original reference: *Teratolytta vanensis* Kaszab,1968, Annln naturh. Mus. Wien 72: 448-450. Holotype ♂: [Türkei]: Klein-Asien: Kusunkiran [Kusgunkiran], östlich [westlich] von Van, 2265m 29 v 1966 (NHMW). Province (in codes): **01 65**
- 164.** *Treiodous autumnalis* (Olivier,1797) Synonym(s): *autumnalis* Olivier,1797 Province (in codes): **75**
- 165.** *Trichomeloe chrysocomus* (Miller,1861) Synonym(s): *chrysocomus* Miller,1861
- 166.** *Trichomeloe conicicollis* (Reitter,1907) Synonym(s): *conicicollis* Reitter,1907 Province (in codes): **48**
- 167.** *Trichomeloe deflexus* (Reitter,1889) Synonym(s): *deflexus* Reitter,1889
- 168.** *Trichomeloe ottomanus* (Pliginskji,1914) Synonym(s): *ottomanus* Pliginskji,1914
- 169.** *Trichomeloe sericellus* (Reiche & Saulcy,1857) Synonym(s): *sericellus* Reiche & Saulcy,1857
- 170.** *Zonitis bellieri* Reiche,1860 Synonym(s): *bellieri* Reiche,1860; *turcica* Frivaldszky,1877
- 171.** *Zonitis escherichi* Semenov,1893 Synonym(s): *escherichi* Semenov,1893
- 172.** *Zonitis flava* Fabricius,1775 Synonym(s): *flava* Fabricius,1775; *praeusta* Fabricius,1792; *thoracica* Laporte,1840 **07 14 24 26 25 55**
- 173.** *Zonitis gibbicollis* Abeille de Perrin,1880 Synonym(s): *gibbicollis* Abeille de Perrin,1880 Province (in codes): **33**
- 174.** *Zonitis immaculata* (Olivier,1790) Synonym(s): *immaculata* Olivier,1790; *mutica* Scriba,1790; *gibbicollis* Abeille de Perrin,1880 **05 06 19 33 42**
- 175.** *Zonitis microcephala* Escherich,1897 Synonym(s): *microcephala* Escherich,1897 Province (in codes): **06**
- 176.** *Zonitis nana* Ragusa,1882 Synonym(s): *nana* Ragusa,1882; *laevicollis* Escherich,1891 Province (in codes): **18 25 42**
- 177.** *Zonitis nigritiventris* Motschulsky,1845 Synonym(s): *nigritiventris* Motschulsky,1845 Province (in codes): **76**
- 178.** *Zonitis ruficollis* Frivaldszky,1877 Synonym(s): *ruficollis* Frivaldszky,1877; *rubricollis* Abeille de Perrin,1880; *abeillei* Bedel,1892; *thoracica* Escherich,1892 Province (in codes): **06 07 47**

# Nomenclatural notes on some families of the order *Diptera*

Ahmet Ömer Koçak Muhabbet Kemal

**Abstract:** Nomenclatural notes on some families of the order *Diptera*. *Cent. Ent. Stud., Misc. Pap.* 152: 8-9.

In this paper, two replacement names on the genus group taxa of the families *Heleomyzidae* and *Ephydriidae* are proposed. An unnecessarily proposed replacement name, *Cytherea paramonovi* Evenhuis & Greathead, 1999 is discussed and synonymized in the family *Bombyliidae*.

**Key words:** Nomenclature, *Heleomyzidae*, *Ephydriidae*, *Bombyliidae*, *Diptera*.

Within the frame of the project “Entomofauna of Turkey” by the Cesa, nomenclatural studies on the order *Diptera* have been carrying out by the authors for many years. As a result of the present survey, the following generic and names are recorded for the first time as junior homonyms: *Trichochlamys* Czerny, 1924 (*Heleomyzidae*), and *Pelex* Cresson, 1925 (*Ephydriidae*). These names are evaluated nomenclaturally. Besides, an unnecessarily proposed specific replacement name, *Cytherea paramonovi* Evenhuis & Greathead, 1999 (*Bombyliidae*) is discussed below and synonymized in accordance with the related articles of the ICZN.

## *Heleomyzidae*

### *Woznicaia* nom.n.

*Trichochlamys* Czerny, 1924 (Abh. Zool.-bot. Ges. Wien 15: 155) is invalid as being junior homonym of *Trichochlamys* Hulst, 1896 (Trans. Amer. Ent. Soc. 23: 291) (Lepidoptera). For that reason, *Trichochlamys* Czerny, 1924 cannot be used as valid name according to the Rules of the Homonymy (ICZN). No synonym of *Trichochlamys* Czerny, 1924 is available. As a result of this, we propose here a replacement name, *Woznicaia* nom. n. for *Trichochlamys* Czerny, 1924 nec *Trichochlamys* Hulst, 1896. New name is dedicated to our colleague Dr. A. J. Woznica for his important contributions to the taxonomy of the World *Heleomyzidae*.

Necessary name combination:

*Woznicaia borealis* (Czerny, 1924) comb.n. America.

## *Ephydriidae*

### *Philippinocesa* nom.n.

*Pelex* Cresson, 1925 (Trans. Amer. Ent. Soc. 60: 253) is invalid as being junior homonym of *Pelex* Gould, 1852 ([in] Wilkes, U. S. Expl. Exped. 12: 153) (Mollusca). For that reason, *Pelex* Cresson, 1925 cannot be used as valid name according to the Rules of the Homonymy (ICZN). No synonym of *Pelex* Cresson, 1925 is available. As a result of this, we propose here a replacement

name, *Philippinocesa nom. n.* for *Pelex* Cresson, 1925 nec *Pelex* Gould, 1852. New name is a combination of the geographical and institutional names.

Necessary name combination:

*Philippinocesa purimana* (Cresson, 1925) **comb.n.** Philippines: Luzon.

## Bombyliidae

### ***Cytherea elegans* Paramonov, 1930 (stat.rev.)<sup>2</sup>**

=*Cytherea paramonovi* Evenhuis & Greathead, 1999 (**syn.n.**)<sup>3</sup>

*Cytherea elegans* was described by Paramonov in 1930 based upon the specimens from Armenia. This species belongs to the genus *Cytherea* Fabricius, 1794 (Ent. Syst. 4: 413) (Bombyliidae, Diptera). On the other hand, *Cytherea elegans* was described by Lamarck in 1804 (Ann. Mus. Hist. Nat. Paris vii (38): 135). This species belongs to the genus *Cytherea* Lamarck, op.cit., p.132 in *Mollusca*. According to the homonymy rules of the ICZN, the generic names *Cytherea* Fabricius, 1794 and *Cytherea* Lamarck, 1804 are homonyms (see Article 53.2); therefore the latter cannot be used as valid name. However, *Cytherea elegans* Paramonov, 1930 and *Cytherea elegans* Lamarck, 1804 are not homonyms, as they established for different nominal genera (see Article 57.8.1). Therefore, we propose here *Cytherea elegans* Paramonov, 1930 (**stat.rev.**) as the valid name for the taxon.

**Contents :** Koçak, A.Ö. & M. Kemal, A list of the species of the family Meloidae recorded in Turkey with some nomenclatural notes (Coleoptera), p. 1 - Koçak, A.Ö. & M. Kemal, Nomenclatural notes on some families of the order Diptera, p. 8 - Editorial, p. 9.

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<sup>2</sup> Paramonov, S. J., 1930, *Trudy Fiz.-Mat. Vidd. Ukr. Akad. Nauk* 15 (3): 355-481 [387]

<sup>3</sup> Evenhuis, N.L. & Greathead, D.J., 1999, *World Catalog of bee flies (Diptera, Bombyliidae)*, 756pp. Backhuys Publishers, Leiden.



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